

- d.) sealing the ingress and an egress of the chamber;
- e.) mixing the fluid with the sample to form a mixture comprising nucleic acid, a buffer, a polymerase and one or more primers;
- f.) increasing the temperature of the chamber to an isothermal amplification temperature for a predetermined time to form an amplicon;
- g.) opening the ingress and the egress of the amplification chamber; and
- h.) applying a pneumatic force to the ingress to move the amplicon from the chamber through the egress.

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